

FIG.1

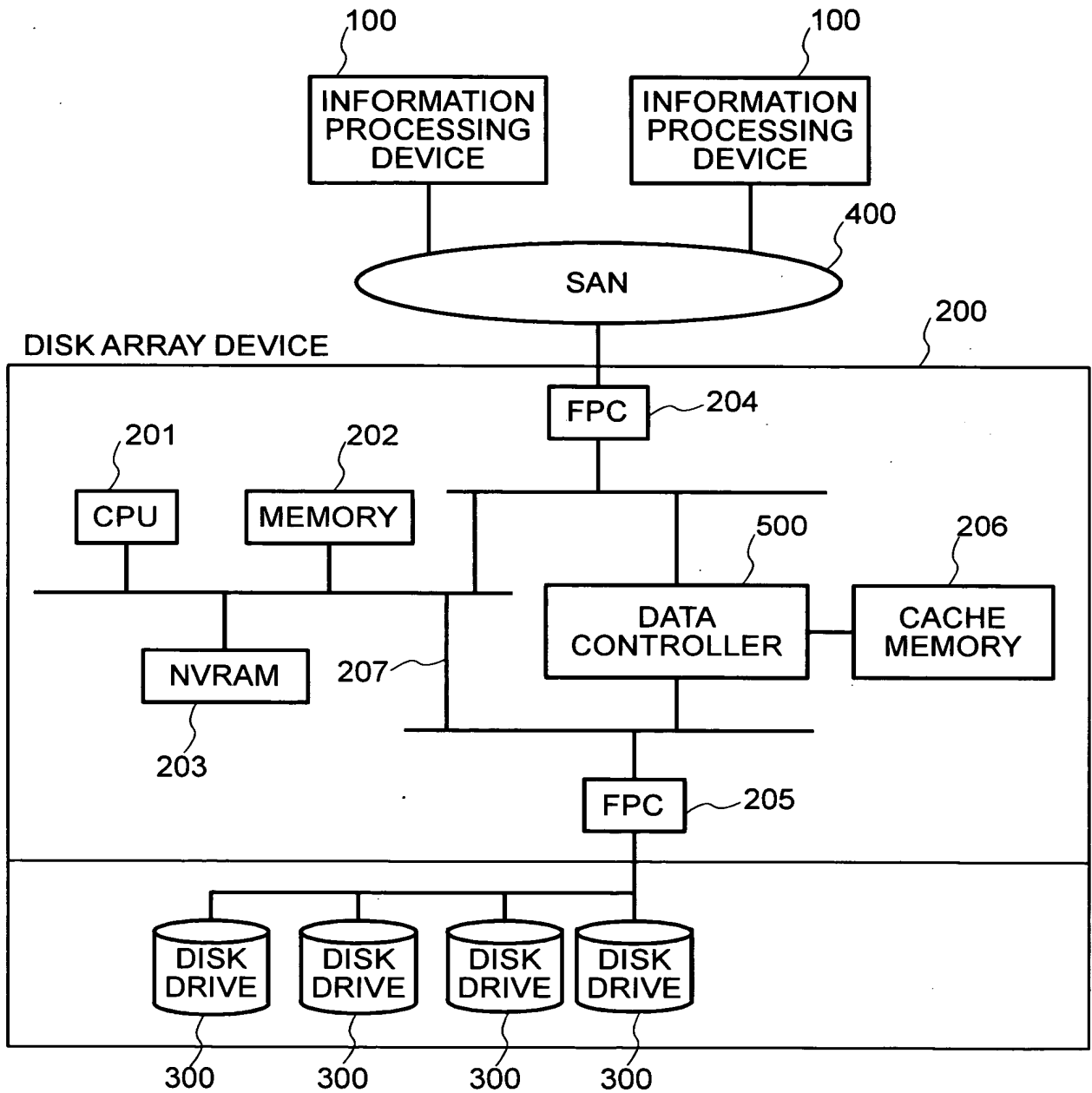
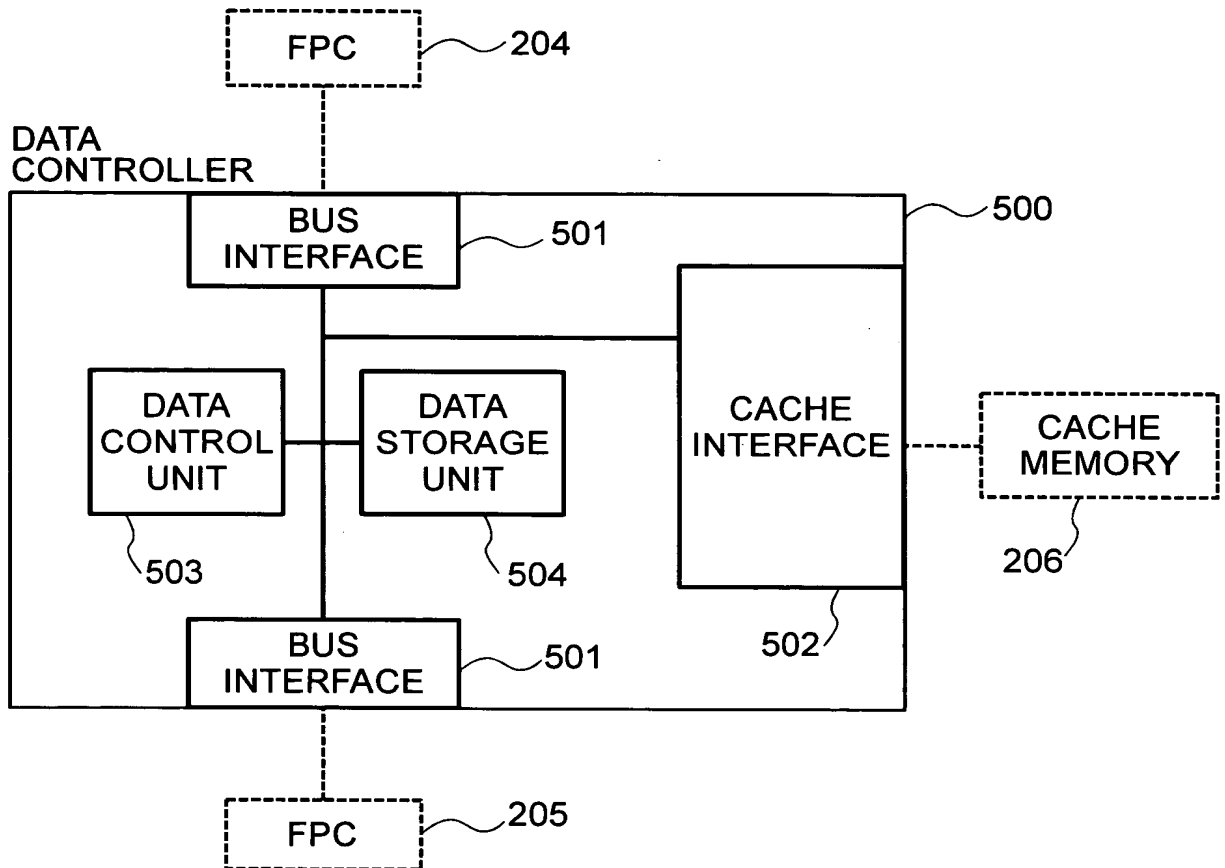


FIG.2



G.3

The figure consists of two data flow diagrams, one for security code generation (top) and one for security code testing (bottom).

Top Diagram (Generation):

- Input:** A box labeled "DATA" (512B) with an arrow pointing to a box labeled "SECURITY CODE" (8B).
- Processing:** The "SECURITY CODE" (8B) is processed by a "DATA CONTROLLER" (S3003) which contains a "SECURITY CODE GENERATION" block (S3004). The output of the "DATA CONTROLLER" is a box labeled "DATA" (512B).
- Testing:** The "DATA" (512B) is processed by a "PARITY TEST" block (S3003) which is part of a larger block (S3002) containing a "FPC" block (S3001) and a "CRC TEST" block (S3002).
- Output:** The output of the "FPC" block (S3001) is a box labeled "DATA" (512B) which is then processed by a "CRC TEST" block (S3001) and a "PARITY GENERATION" block (S3002).
- Final Output:** The output of the "PARITY GENERATION" block (S3002) is a box labeled "DATA" (512B) which is then processed by a "SECURITY CODE GENERATION" block (S3004) and a "DATA CONTROLLER" (S3003) to produce the final "SECURITY CODE" (8B).

Bottom Diagram (Testing):

- Input:** A box labeled "SECURITY CODE" (8B) is processed by a "DATA CONTROLLER" (S3008) which contains a "SECURITY CODE TEST" block (S3007). The output of the "DATA CONTROLLER" is a box labeled "DATA" (512B).
- Testing:** The "DATA" (512B) is processed by a "PARITY TEST" block (S3008) which is part of a larger block (S3006) containing a "FPC" block (S3005) and a "CRC TEST" block (S3006).
- Output:** The output of the "FPC" block (S3005) is a box labeled "DATA" (512B) which is then processed by a "CRC TEST" block (S3005) and a "PARITY GENERATION" block (S3006).
- Final Output:** The output of the "PARITY GENERATION" block (S3006) is a box labeled "DATA" (512B) which is then processed by a "SECURITY CODE GENERATION" block (S3006) and a "DATA CONTROLLER" (S3008) to produce the final "SECURITY CODE" (8B).

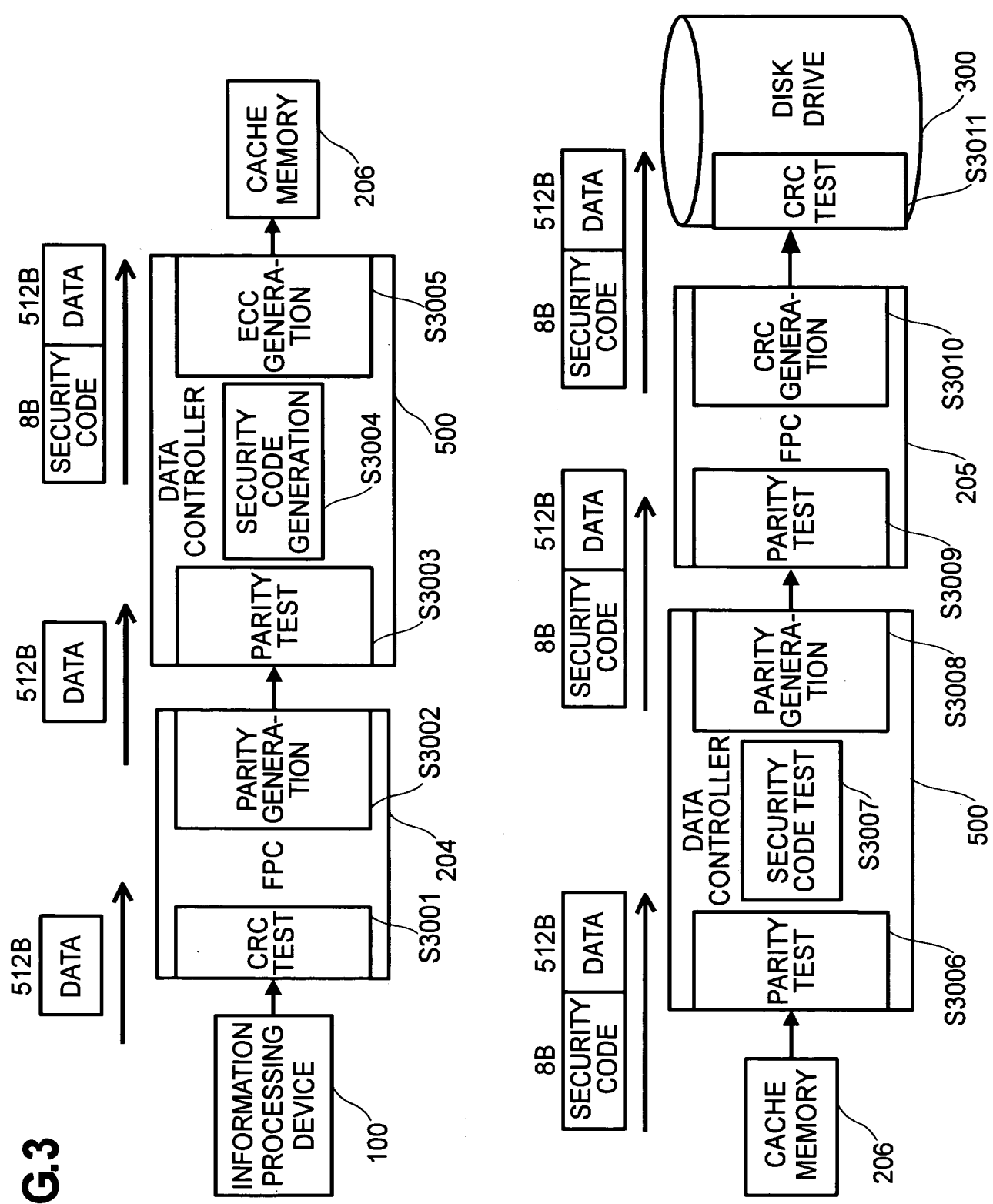


FIG.4

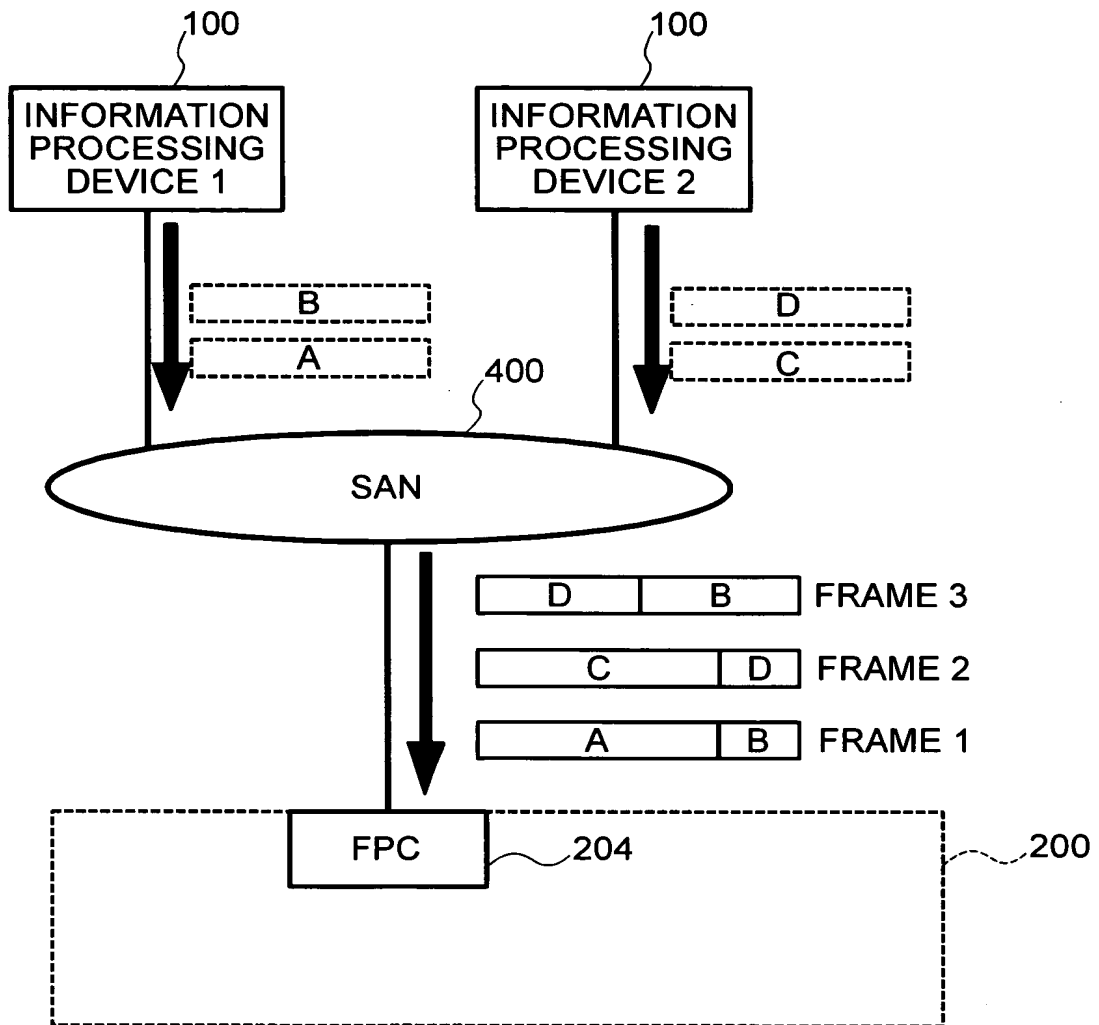


FIG.5

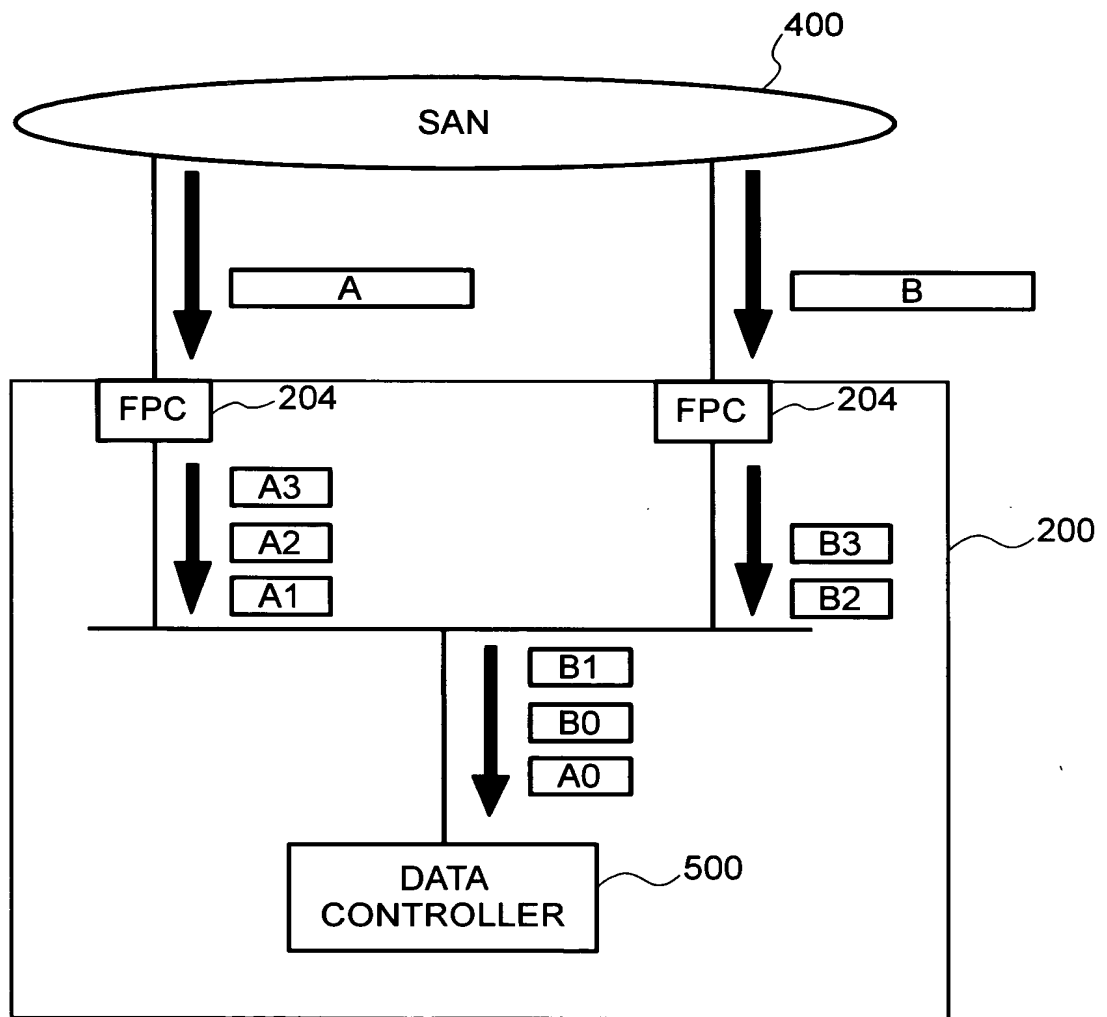


FIG.6

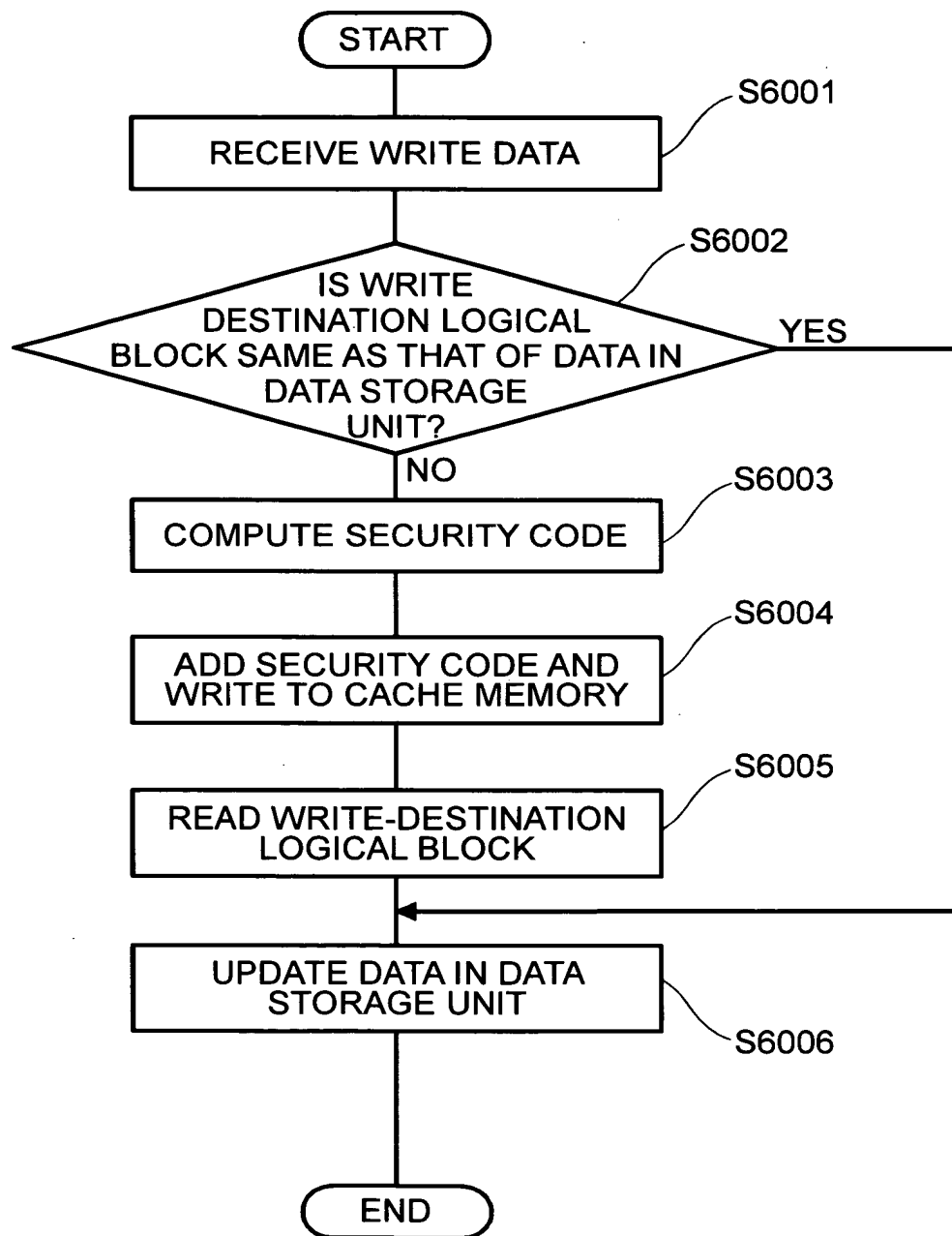


FIG.7

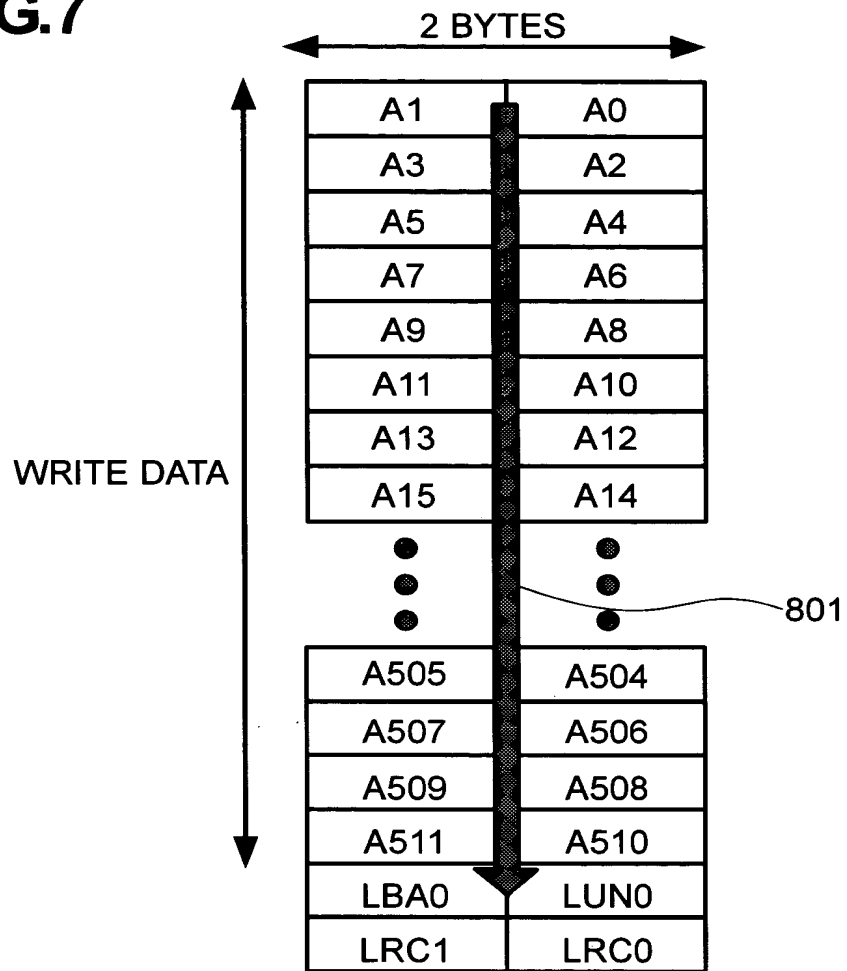


FIG.8

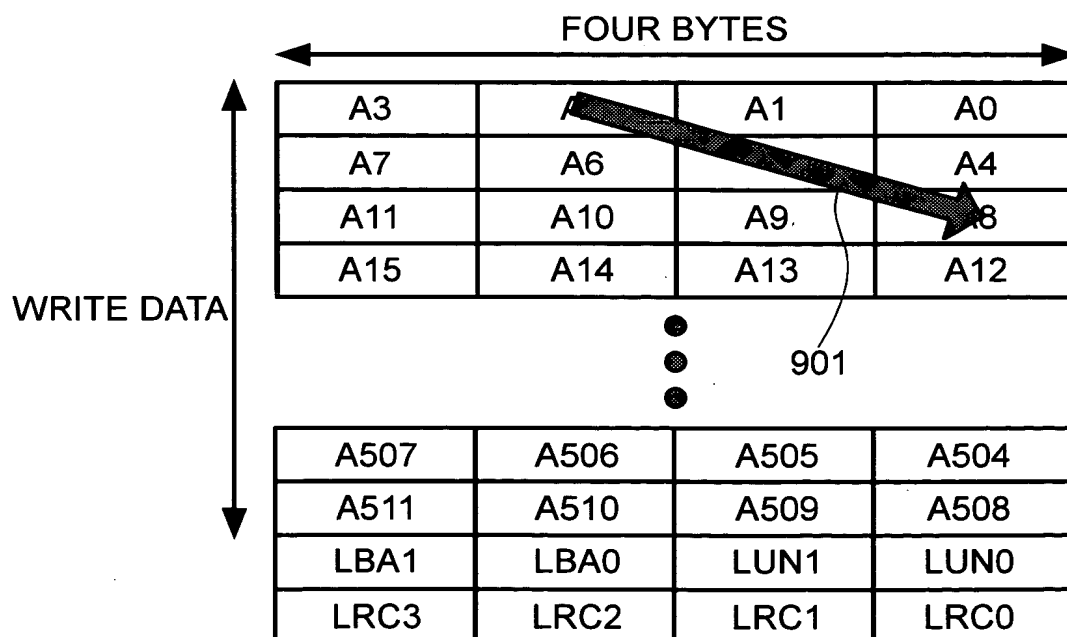


FIG.9

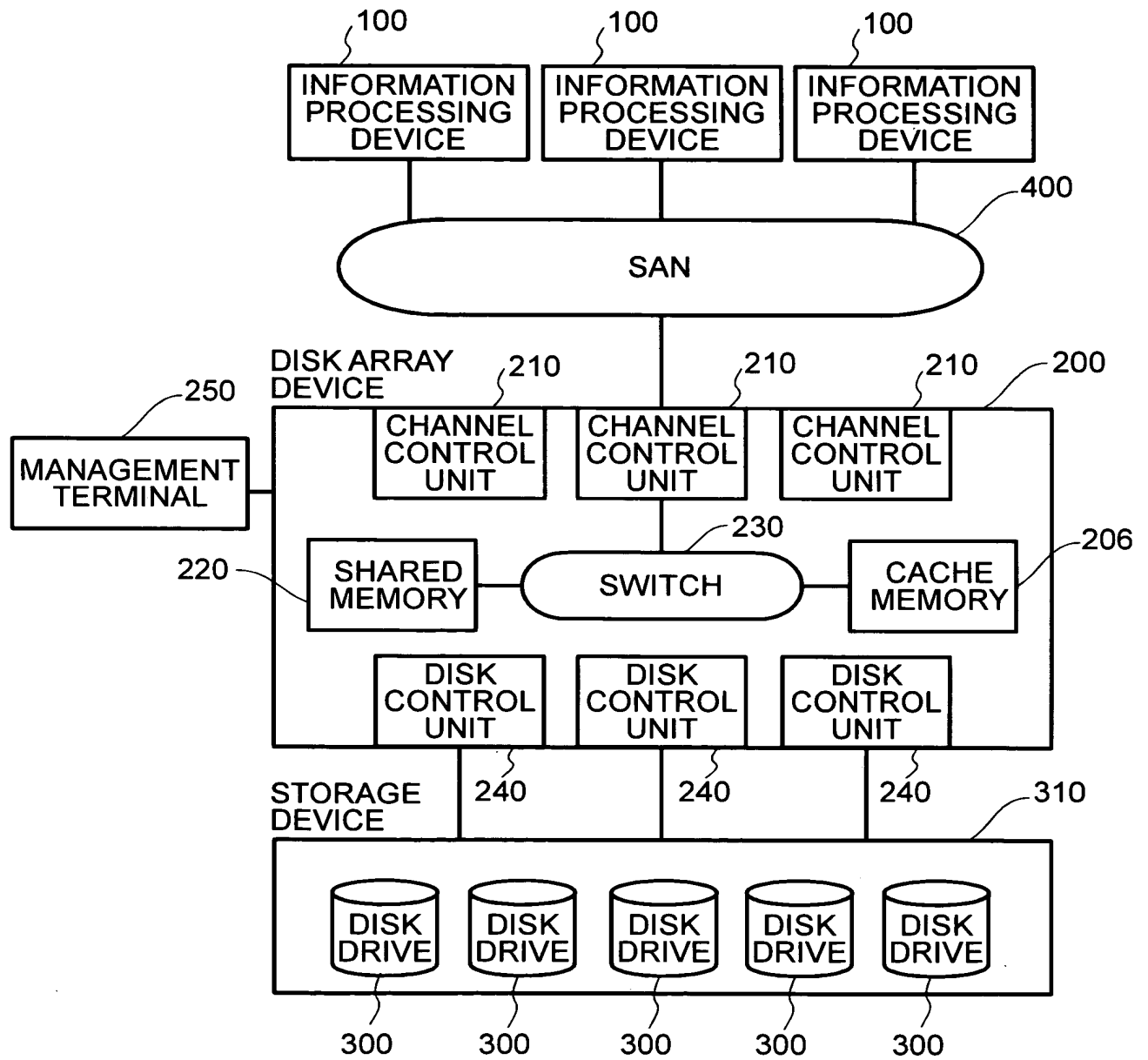


FIG.10

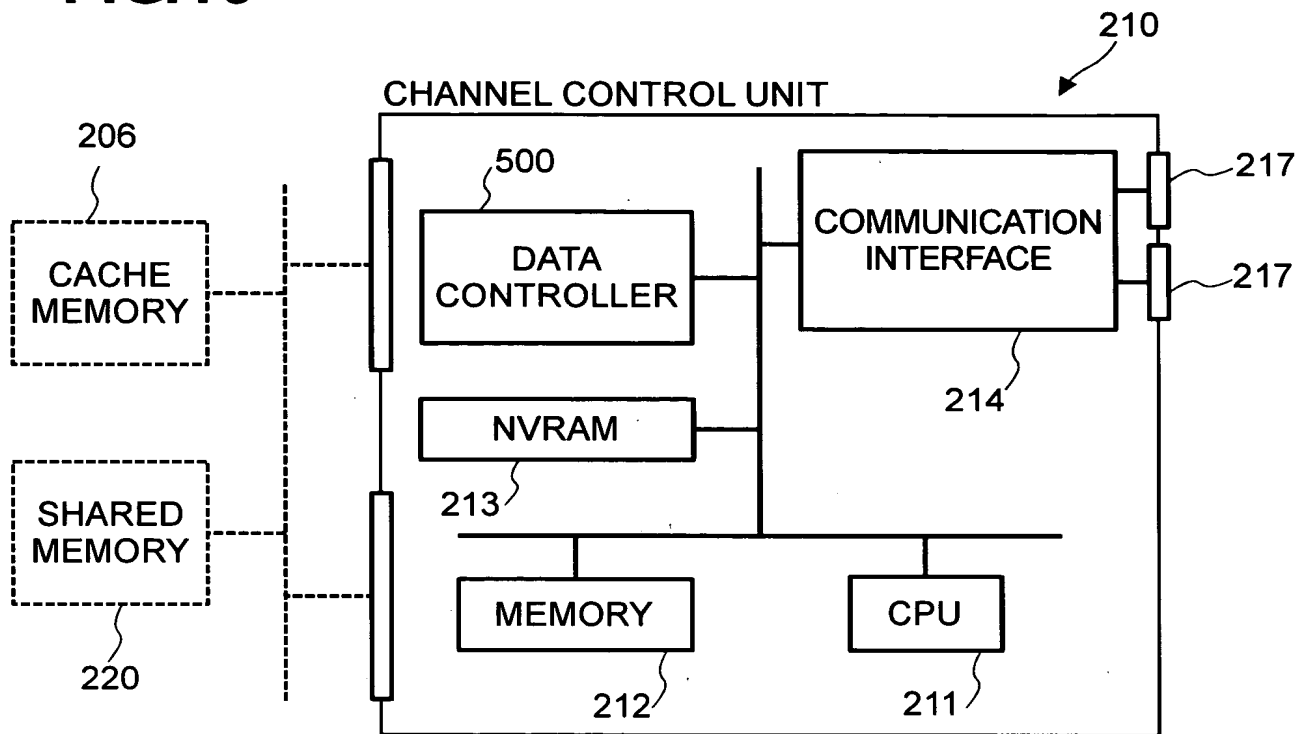


FIG.11

